

## ABSTRACT OF THE DISCLOSURE

A flexible, extendable analyzing system for analyzing medical samples, and preferably for analysis of body fluids, is provided with one or several independent single analyzers for measuring a single parameter or parameter group each, and a computer-supported central unit with an input/output unit. The single analyzers are coupled to the central unit in a first position, i.e., the charging position, from which they can be removed and inserted in a second position, i.e., the measuring position, preferably a bedside measuring position. The single analyzers coupled to the central unit in the charging position form a multi-component analyzer.

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